

Missouri Department of Natural Resources

Total Maximum Daily Load Information Sheet

Buffalo Creek

Water Body Segment at a Glance:

Counties:	McDonald and Newton
Nearby City:	Neosho
Water Body ID:	3273
Length of Segment:	8 miles
Watershed Size:	41.2 square miles
Pollutant:	Fishes bioassessments
Source:	Unknown



Statewide Map Showing Location of Watershed

Scheduled for TMDL development: 2022

Description of the Problem

Designated beneficial uses of Buffalo Creek:

- Livestock and Wildlife Watering
- Protection of Warm Water Aquatic Life
- Cool Water Fishery
- Irrigation
- Protection of Human Health (Fish Consumption)
- Secondary Contact Recreation
- Whole Body Contact Recreation – Category A

Uses that are impaired:

- Protection of Warm Water Aquatic Life

Standards that apply

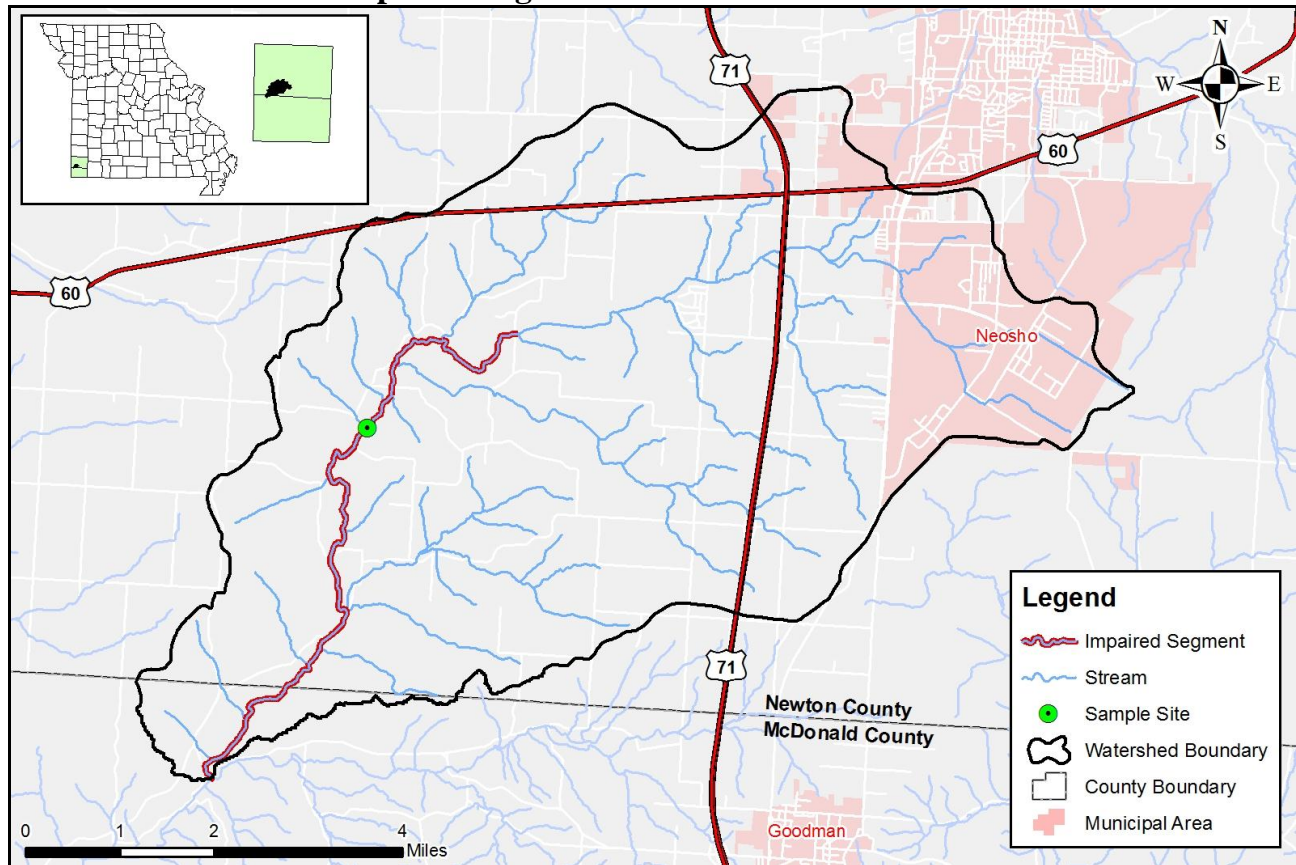
The state's general water quality criteria at 10 CSR 20-7.031(3) are applicable to all waters of the state at all times. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:

- Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal, or aquatic life [10 CSR 20-7.031(3)(D)].
- Waters shall be free from physical, chemical, or hydrologic changes that would impair the natural biological community [10 CSR 20-7.031(3)(G)].

Background information and water quality data

Water body segment 3273 is a 8 mile segment of Buffalo Creek that flows from about 2 miles upstream of Harrison Branch in Newton County to the confluence of Sugar Creek in McDonald County. Buffalo Creek is a tributary to the Elk River. Fisheries data for Buffalo Creek was collected by the Missouri Department of Conservation. The diversity of fishes in a stream as well as the kind of fish in a stream can be used as an indicator of stream health. Data is inadequate to develop a fisheries scoring system to determine impairment for prairie streams, however the Department of Natural Resources in consultation with the Missouri Department of Conservation determined that the available fisheries data for Buffalo Creek shows an impaired condition.

Map Showing the Buffalo Creek Watershed



Note: Final TMDLs developed for Buffalo Creek will be based on the most current and available data and information.

For more information call or write:

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